



Report on the Results gathered from the Evaluation Questionnaire for Students (IT)

Number of questioned students: 21- students with advance Sciences knowledge (11th form, Scientific Lyceum).

Questionnaire data processed by Luigi Cerri (Fondazione Idis-Città della Scienza, Naples, Italy).

Question n. 1:

• How interested are you in learning about the following topics in Science lessons?

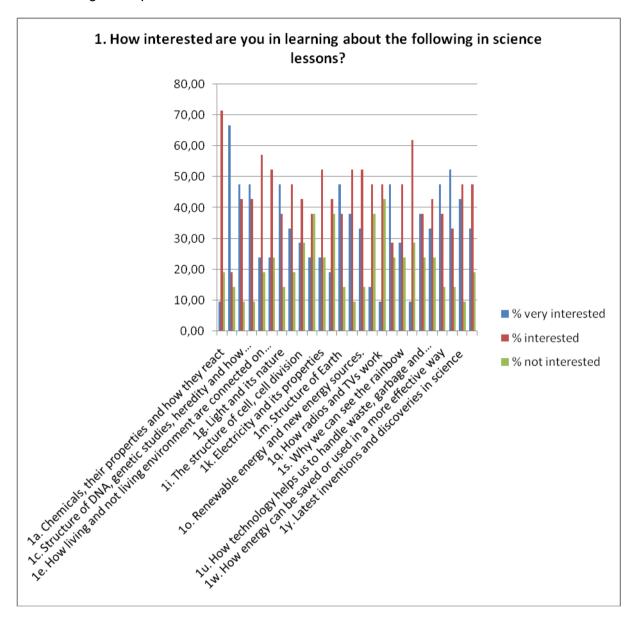
The table below resumes the results

1. How interested are you in learning about the following in		%	% per
science lessons?	% molto	abbastanza	niente
1a. Chemicals, their properties and how they react	9,52	71,43	19,05
1b. Parts of human body and how the systems work	66,67	19,05	14,29
1c. Structure of DNA, genetic studies, heredity and how genes influence how we develop1d. How plants and animals/humans grow and reproduce	47,62	42,86	9,52
How living and not living environment are connected on	47,62	42,86	9,52
Earth	23,81	57,14	19,05
1f. Atom, molecules and chemical bonding	23,81	52,38	23,81
1g. Light and its nature	47,62	38,10	14,29
1h. The nature of sound and its properties	33,33	47,62	19,05
1i. The structure of cell, cell division	28,57	42,86	28,57
1j. Robots and automated machines and their use in life	23,81	38,10	38,10
1k. Electricity and its properties	23,81	52,38	23,81
1l. Optics and how they are used in our daily lives	19,05	42,86	38,10
1m. Structure of Earth	47,62	38,10	14,29
1n. Weather and climate changes	38,10	52,38	9,52
1o. Renewable energy and new energy sources.	33,33	52,38	14,29
1p. The use of lasers	14,29	47,62	38,10
1q. How radios and TVs work	9,52	47,62	42,86
1r. Life and death and human soul	47,62	28,57	23,81
1s. Why we can see the rainbow	28,57	47,62	23,81
1t. The ozone layer and how it may be affected by humans	9,52	61,90	28,57
1u. How technology helps us to handle waste, garbage and sewage	38,10	38,10	23,81
Organic and ecological farming without use of pesticides and artificial fertilizers	33,33	42,86	23,81
1w. How energy can be saved or used in a more effective way	47,62	38,10	14,29
1x. Technology in healthcare and medicine	52,38	33,33	14,29
1y. Latest inventions and discoveries in science	42,86	47,62	9,52
1z. Nanotechnology and its' use in life	33,33	47,62	19,05





Results diagram is presented below:



The best rated subjects for students are:

- 1. Parts of human body and how the systems work (66,67% very interested);
- 2. Technology in healthcare and medicine (52,38% very interested);
- 3. Structure of DNA, genetic studies, heredity and how genes influence how we develop How plants and animals/humans grow and reproduce Light and its nature Structure of Earth Life and death and human soul How energy can be saved or used in a more effective way (47,62% very interested).

The less interesting subjects for students are:

- 1. How radios and TVs work (42,86% not interested)
- 2. Robots and automated machines and their use in life Optics and how they are used in our daily lives The use of lasers (38.10% not interested).





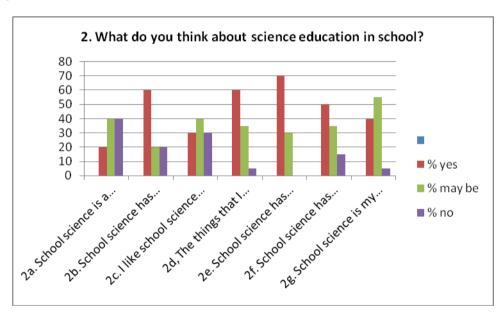
Question no. 2:

What do you think about Science education in school?

The table below resumes the results

2. What do you think about science education in school?	% yes	% may be	% no
2a. School science is a difficult subject	20,00	40,00	40,00
2b. School science has opened my eyes to new careers and new events around me	60,00	20,00	20,00
2c. I like school science more than most other subjects	30,00	40,00	30,00
2d, The things that I learn in science at school will be helpful in my everyday life	60,00	35,00	5,00
2e. School science has increased my curiosity about things we cannot yet explain	70,00	30,00	0,00
2f. School science has increased my appreciation of nature	50,00	35,00	15,00
2g. School science is my way to technology and science knowledge	40,00	55,00	5,00

Results diagram is presented below:



- 70,00% of students consider that school science has increased their curiosity about things we cannot yet explain;
- 60,00% of students consider that school science has opened their eyes to new careers and new events around them and the things that they learn in science at school will be helpful in their everyday life.





Question no. 3:

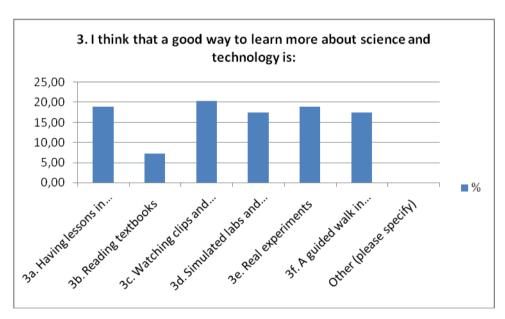
I think that a good way to learn more about science and technology is...

For this question them have been gathered 69 answers

The table below resumes the results

3. I think that a good way to learn more about science and technology is:	%
3a. Having lessons in the classroom	18,84
3b. Reading textbooks	7,25
3c. Watching clips and documentaries	20,29
3d. Simulated labs and simulated experiments	17,39
3e. Real experiments	18,84
3f. A guided walk in nature	17,39
Other (please specify)	0

Results diagram is presented below:



- 20,29% of students consider *watching clips and documentaries* as the best way for learning about Science and Technology;
- 18,84% of students consider *having lessons in the classroom* and *real experiments* as the best ways for learning about Science and Technology.





Question no. 4a:

- Do you prefer to use of computers and Internet to discover and learn aspects related to Science topics?
 - 20 students answered they do while just one of them answered he doesn't

Question no. 4b:

• Indicate what kind of specific tools you would like to use to discover and learn aspects related to Science topics.

The table below resumes the results

If the answer is "YES", indicate what kind of specific tools you would like to use:	%
Power Point presentations	5,00
Images	5,00
Video clips	45,00
Virtual experiments	45,00

- 45,00% of students would like to use educational video-clips and virtual experiments to discover and learn aspects related to Science topics;
- just 5,00% of students would like to use PowerPoint presentations or images to discover and learn aspects related to Science topics.

Question no. 5:

• Choose which kind of specific environments do you like to use for discovering and learning aspects related to Science topics.

The table below resumes the results

5. Choose which kind of specific environments do you like to use for this purpose:	%
Platform made just for this	40,91
Social Network like facebook with included science materials	13,64
Forum/Group discussion with included science materials	45,45

- 45,45% of students prefer a forum / group discussion as an environment to be used for discovering and learning aspects related to Science topics;
- 40,91% of students prefer a platform to be used as a support to discover and learn aspects related to Science topics;
- 13,64% of students prefer a social network environment to be used as a support to discover and learn aspects related to Science topics.



